



Proposed Revisions to 314 CMR 4.00: Massachusetts Surface Water Quality Standards Regulation

Revision of Figures and Tables 1 through 27

MassDEP Proposes to Modernize the Format and Update the Information Contained in the Surface Water Classification Figures and Tables

Background and Reason for Change

The purpose of the 314 CMR 4.00: Massachusetts Surface Water Quality Standards (SWQS) regulation is to restore, enhance, and protect the chemical, physical, and biological integrity of surface waters in Massachusetts. The SWQS were adopted to designate the most sensitive uses for which surface waters are to be regulated, prescribe the minimum water quality criteria required to sustain those uses, restore waters to those uses, and maintain high quality waters.

To achieve the goals of the SWQS, the Massachusetts Department of Environmental Protection (MassDEP) has established six surface water use classes: A, B, and C for fresh waters and SA, SB, and SC for coastal and marine waters, as defined in 314 CMR 4.02. These classes and their associated uses are listed in 314 CMR 4.05. By default, unless otherwise designated, fresh waters are Class B and coastal and marine waters are Class SA (the "default" classes). Although defined in the SWQS, no Class C or SC surface waters have been designated in the Commonwealth. Tables 1 through 27 in the SWQS (at 314 CMR 4.06) generally list waters by river basin or coastal drainage area that have been designated as other than the default classes (e.g., Class A or SB) or that are assigned a qualifier such as Public Water Supply (PWS) or Cold Water. The corresponding figure for each basin is provided for general orientation.

Federal Requirements

The Federal Water Pollution Control Act, 33 USC §1251, et seq. (known as the Clean Water Act or CWA) and associated federal Water Quality Standards, 40 CFR Part 131, establishes the requirements for States to review, revise and adopt water quality standards. At least once every 3 years, states must review their standards and re-examine the uses of waterbody segments taking into account any new information. This review is referred to as the "Triennial Review". MassDEP's proposed Tables 1-27 include revisions as part of its Triennial Review.

Proposed Revisions

MassDEP proposes to significantly modernize and update the figures and tables 1-27. The most significant update to the figures is the correction of the drainage basin boundaries for Cape Cod and Buzzards Bay. The changes to the content of the tables are primarily to improve clarity and consistency, but also include more significant updates such as: deletion of the Combined Sewage Overflows (CSO) qualifiers for where CSOs have been eliminated; removal of the Public Water Supply (PWS) qualifier for abandoned water supplies; assignment of a class to any surface water missing its classification; and the addition of 153 Cold Water streams. In addition, only one substantive change was made to an existing surface water classification (one segment was changed from a Class B Treated Water Supply to a Class A PWS because it is diverted directly to a Class A PWS surface water). A summary of general changes are provided below, and river basins and coastal drainage areas with specific changes are provided as an Addendum to this fact sheet.

FIGURES and TABLES 1-27: Summary of General Changes

- ⇒ **Consolidated:** The original separated List of Figures and List of Tables were combined into a single list.
- ⇒ **Changed Format:** Tables were updated from a tab-delimited Word format to a Word table format.
- ⇒ **Alphabetized:** The figures and tables were alphabetized by basin or drainage area name and re-numbered accordingly. In addition, the cold water streams listed at the bottom of each table were also alphabetized.

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Revision of Figures and Tables 1 through 27 (cont.)

- ⇒ **Updated Boundary Descriptions:** The boundaries of surface waters or segments were updated and more clearly described where possible. General language was added to the description of certain ORWs that “all or a portion of” the surface water is within named Areas of Critical Environmental Concern (ACEC), sanctuaries, or river corridors based upon MassGIS mapping reviews.
- ⇒ **Improved Consistency:** The boundaries of lakes, ponds and reservoirs were changed from “source to” to “entire” lake, pond or reservoir to its outlet. All references to State lines were changed to “MA-XX State line” format. The acronym “WWTF” (waste water treatment facility) was replaced with “POTW” (publicly-owned treatment works) and the term “treatment works” throughout the tables to be consistent with those newly defined terms in the SWQS.
- ⇒ **Assigned Classifications:** Any surface water missing its classification was assigned a class based upon MassDEP’s review of United States Geological Survey (USGS) topographic and MassGIS orthographic maps, Surface Water Supply Watersheds, and 2005 land use layers.
- ⇒ **Added Cold Water Streams:** To identify potential additional Cold Water Fisheries, listed in the tables with a Cold Water qualifier, MassDEP reviewed the Massachusetts Department of Fisheries and Wildlife’s (MassWildlife) list of Cold Water Fisheries Resources (CFR) that were designated using temperature and fish data consistent with SWQS protocols. CFRs most closely matching MassDEP’s rivers and streams inventory system with no discrepancies were proposed for adoption into the SWQS. One hundred fifty three (153) of these CFRs were added to Tables 1-27.
- ⇒ **Un-grouped Surface Waters:** Surface waters listed collectively were separated and individually listed, and MassGIS’ 2005 land use layer was used to determine each segment’s classification.
- ⇒ **Updated Qualifiers:** Qualifiers were updated for consistency and missing information. For example, throughout the tables, MassDEP changed Outstanding Resource Water to ORW; changed Public Water Supply to PWS; added the ORW qualifier to all PWS waters; and added or removed the CSO qualifiers after consultation with MassDEP’s regional CSO representatives. The CSO qualifier was removed where CSOs were eliminated or improved to overflow only during a 25-year storm.
- ⇒ **Added Clarifying Footnotes to Every Table:** Footnotes include an acronym list; the names of the Areas of Critical Environmental Concern (ACEC), sanctuaries, or river corridors for applicable surface waters; and an explanation of Mile Points.
- ⇒ **Corrected the Following Errors:** Surface waters listed within an incorrect basin; incorrect spellings; misnamed surface waters; incorrect surface water and segment boundaries; corrected two figures that had errors in basin boundaries; corrected surface water locations in the figures; clarified locations of Class SB markers or more precisely located these markers for certain figures; and re-labeled a few misidentified water bodies.

Note: The above changes were confirmed using information provided through the USGS Bureau of Geologic Names; review of USGS’ topographic maps; MassDEP’s Streams and Rivers Inventory System (SARIS, 1989 and as internally updated through 2017), and MassGIS’ Surface Water Supply Watersheds, 2005 land use layers and orthographic maps.

Coordination

Several meetings with the USEPA focusing on the changes to the tables and figures were conducted and the preliminary proposed redline and summary of the changes were shared. In addition, MassDEP’s Drinking Water Program, regional CSO representatives, and MassWildlife were consulted for updates to certain surface water use qualifiers (*i.e.*, PWS, CSO and Cold Water).

Regulatory Implications

The modernized and updated tables containing more detailed boundary descriptions will be easier to use by the public and the National Pollutant Discharge Elimination System (NPDES) and Surface Water Discharge (SWD) permit programs. The updates will enable more accurate identification of surface waters and their uses.

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Revision of Figures and Tables 1 through 27 (cont.)

ADDENDUM Specific Notable Changes by Basin

FIGURES A and 1-27:

Figures A, 3, and 4: River Basins and Coastal Drainage Areas; Buzzards Bay Coastal Drainage Area ("Buzzards Bay"); and Cape Cod Coastal Drainage Area ("Cape Cod"), respectively (formerly Figures A, 25, and 26)

Modified Figures to be Consistent with the Tables — The Buzzards Bay and Cape Cod figures were inconsistent with their respective tables. The overall state map (Figure A) was also inconsistent with the tables. The modifications to the figures are described below:

Cape Cod — The western border of the original figure was incorrectly depicted as the Cape Cod Canal. In the new figure this border was shifted east to exclude the part of the coast that drains to Buzzard's Bay.

Buzzard's Bay — The original figure depicted the Cape Cod Canal as the drainage area's eastern border. The border is now shifted to include the eastern portion that drains to the bay.

River Basins and Coastal Drainage Areas — This overall figure reflects the same corrected drainage area division as described above.

TABLES 1-27:

Table 1: BLACKSTONE RIVER BASIN (formerly Table 11)

Kettle Brook (Class A, PWS; Class B, Warm Water) — Kettle Brook Reservoirs 1, 2, and 3 were combined into the description of Kettle Brook, followed by a separate listing of Reservoir 4 which is not part of Kettle Brook. The mouth of the brook was confirmed to be at the inlet of Leesville Pond, not the outlet of Curtis Pond. Leesville Pond, unnamed brook, and Curtis Ponds were then listed separately. This change clarified the extent of Kettle Brook and did not change classes or qualifiers.

Mill River (Class B, Warm Water; Class B, Treated Water Supply) — Mill River was listed twice in the table; therefore, the two listings were combined into one description. The table also now clarifies that the Mill River was one of the interstate waters that flows into a Rhode Island PWS, and that, therefore, the portion within 1,000 feet of the MA-RI state line is Class A, PWS, ORW.

Cold Water — Two Cold Water streams were added and classified, and two previously-listed unclassified Cold Water brooks were classified.

Table 2: BOSTON HARBOR DRAINAGE AREA (formerly Table 15)

Fresh River (Class B, Warm Water) — Review of the GIS land use layer indicated that a portion of the Fresh River may be saltwater; therefore, its classification of "B" was changed to "SA, B" to allow for saltwater portions.

Boston Harbor, Boston Inner Harbor and Associated Bays and Harbors — The boundaries of Boston Harbor and Boston Inner Harbor were more clearly defined. The Bays are described and classified separately, while making no change to classifications or qualifiers.

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Revision of Figures and Tables 1 through 27 (cont.)

ADDENDUM: Specific Notable Changes by Basin (cont.)

TABLES 1-27: (cont.)

Table 2: BOSTON HARBOR DRAINAGE AREA (cont.)

Dorchester Bay CSO Qualifier Removed — The CSO qualifier for this bay was removed since the level of CSO control is up to a 25-year storm event. EPA views this level of control as equivalent to CSO elimination because even a properly designed separate sewer system may overflow during a 25-year storm. In addition, in the northern Dorchester Bay beach area storm water is stored and not discharged to the beach area for all storms up to and including a 5-year storm event.

Little River added as a CSO segment — Our SWQS mapping project revealed that a CSO discharges into the Little River, which flows into Alewife Brook. The CSO discharge is 130 feet upstream of its confluence with Alewife Brook. Back-washing typically occurs with discharges; therefore, we extended the CSO portion of Little River to 150 feet upstream of its confluence with Alewife Brook, to the confluence with Alewife Brook.

Quincy Bay (Class SA, Shellfishing) — Clarified this description, including adding addresses and GPS coordinates for the buoy markers.

Table 3: BUZZARDS BAY COASTAL DRAINAGE AREA (formerly Table 25)

Horseshoe Pond (portion of Weweantic River) — Horseshoe Pond was not included in the first segment description of the Weweantic River; however, the mile points are continuous and MassDEP intended to include the pond. The first segment of the Weweantic River is now described as extending to the outlet of Horseshoe Pond.

Table 4: CAPE COD COASTAL DRAINAGE AREA (formerly Table 26)

Corrected Class Designations for Brickyard Creek, Namskaket Creek, Little Namskaket Creek, Rock Harbor Creek, Boat Meadow River, Herring River, Pleasant Bay and Scorton Creek — Review of the MassGIS 2005 land use layer indicated that a portion of these creeks and rivers, and a portion of the tributaries to Pleasant Bay and Scorton Creek currently classified as SA in this drainage area may be freshwater. These classifications were changed from SA to "SA, B" (coastal and marine waters Class SA; fresh waters Class B) to allow for any freshwater portions. Any shellfishing and/or ORW qualifiers were retained.

Assigned a Classification to Ryder Cove, Bassing Harbor, Frost Fish Creek, Muddy Creek, Round Cove, Namequoit River, The River, The Horseshoe, The Narrows, Frostfish Cove, Hog Island Creek, Broad Creek, Childs River, Quashnet River, and Red Brook — These surface waters were listed in ORW groupings without a classification; they are now listed individually and were assigned a class. MassDEP reviewed the MassGIS 2005 land use layer to determine if the surface waters potentially had both salt and fresh water portions; if so, they were classified as "SA, B" (coastal and marine waters Class SA; fresh waters Class B) to allow for both classes of water.

Lakes and Ponds Assigned a Classification — Using the MassGIS 2005 land use layer, groups of lakes and ponds classified as a "B*", meaning either coastal and marine Class SA or fresh water Class B, were separated and assigned a specific classification (or, if unable to be determined, "SA, B" was assigned). For "B*" surface waters that were changed to an SA classification, any Warm Water qualifiers were removed. Any ORW qualifiers were retained in all cases.

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Revision of Figures and Tables 1 through 27 (cont.)

ADDENDUM: Specific Notable Changes by Basin (cont.)

TABLES 1-27: (cont.)

Table 5: CHARLES RIVER BASIN (formerly Table 16)

Cambridge Reservoir (Hobbs Brook Lower Reservoir) (Class A, PWS) — Hobbs Brook Upper Reservoir was added to the boundary description to clarify that Cambridge Reservoir is known locally as Hobbs Brook upper and lower reservoirs. This revised description does not change the classification or qualifiers of the lower reservoir. It was noted that both of these reservoirs serve as feeders to Fresh Pond in Cambridge.

Cold Water — One cold water stream was added and classified.

Table 6: CHICOPEE RIVER BASIN (formerly Table 8)

Ware River, Quaboag River, and Swift River CSO Qualifiers Removed — MassDEP's regional staff determined that CSOs were eliminated from these segments; therefore, the CSO qualifier was deleted. The removal of the CSO on the Swift River enabled two previously separate Cold Water segment descriptions to be consolidated into one.

Swift River (Class A, PWS) — The Class A segment of Swift River upstream of Winsor Dam was removed. According to MassDEP's Streams and Rivers Inventory System (SARIS), upstream of Winsor Dam is the Quabbin Reservoir (Class A, PWS) and the Swift River begins at the outlet of the Quabbin Reservoir.

Cold Water — Eleven cold water streams were added and classified.

Table 7: CONNECTICUT RIVER BASIN (formerly Table 6)

Bachelor Brook, Weston Brook and Lampson Brook Listed Separately — Separate descriptions for each of these Brooks were developed and the continuous set of mile points was eliminated. The original class and qualifier was retained for all three brooks.

Buttery Brook and Stony Brook CSO Qualifiers Removed — These two brooks were removed completely from the table because they no longer contain CSOs. Surface waters that are in a SWQS default class (B or SA) with no qualifier are not listed in the tables.

Reservoir (Mt. Brook Reservoir) (Class A, PWS) — This reservoir was incorrectly listed in the Connecticut River Basin; therefore, it was deleted and moved to Table 8, the Deerfield River Basin.

Unquommonk Brook Reservoir (Class A, PWS) — This reservoir appears misspelled. MassDEP's Drinking Water Program lists this PWS as "Unquemomk Brook Reservoir". The permit to abandon this source was approved in January 2007. The PWS qualifier was removed while the Class A, PWS designations were retained.

Lythia Springs Reservoir (Class A, PWS) — This reservoir appears misnamed. MassDEP's Drinking Water Program lists this PWS as "Lithia Springs Reservoir". A 2003 sanitary survey report indicates that the reservoir was last used in 1994 and was officially abandoned by MassDEP in April, 2002. The PWS qualifier was removed while the Class A, PWS designations were retained.

Rivers and Streams Assigned a Classification — Twenty-six surface waters listed without a class were assigned a classification. MassGIS was used to determine if the surface waters were within a PWS. If they were not within a PWS, they were designated Class B. If located within a PWS, they were designated a Class A surface water with ORW and PWS as qualifiers.

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Revision of Figures and Tables 1 through 27 (cont.)

ADDENDUM: Specific Notable Changes by Basin (cont.)

TABLES 1-27: (cont.)

Table 7: CONNECTICUT RIVER BASIN (cont.)

Cold Water — Eighteen Cold Water streams were added and classified; all Cold Water streams were alphabetized.

Table 8: DEERFIELD RIVER BASIN (formerly Table 5)

North River, First Segment Separated into West and East Branches — The East Branch North River and West Branch North River are not a part of the North River, instead they are distinct rivers. These revisions list and describe these branches as separate from the North River. The description of the North River is modified to exclude these branches.

Cold Water — Thirty-six previously-listed but unclassified Cold Water brooks were classified. Twenty-five new Cold Water streams were added and classified. All Cold Water streams were alphabetized.

Table 11: HOUSATONIC RIVER BASIN (formerly Table 2)

Karner Brook Reservoir and Karner Brook (Class A, PWS) — Karner Brook is listed as a Class A Tributary to a PWS and as an ORW for its entire length. Karner Brook Reservoir is listed separately as a Class A PWS with a boundary description that includes tributaries thereto, which includes Karner Brook. This is an unnecessary overlap. The revisions combine the two, deleting the separate listing for Karner Brook Reservoir and incorporating it into the description of Karner Brook. In addition, the "Tributary to Public Supply" qualifier has been removed as there is no such qualifier cited in 314 CMR 4.06(1)(d). Karner Brook Reservoir is not listed in the USGS Bureau of Geologic Names; therefore, its name was changed to "unnamed reservoir (Karner Brook Reservoir)".

Mt. Washington Brook (Class A, PWS) — Mt. Washington Brook is incorrectly named; according to the USGS Bureau of Geologic Names its name is Washington Mountain Brook. Washington Mountain Brook is included in the "tributaries thereto" of School House Lake (listed separately); therefore, the listing for Mt. Washington Brook was deleted and a reference to Washington Mountain Brook was incorporated into the description of School House Lake.

Brooks Assigned a Classification — Any surface waters listed without a class were assigned a classification. MassGIS was used to determine if the surface waters were within a PWS. If they were not within a PWS, they were designated a Class B. If located within a PWS, they were designated a Class A surface water with ORW and PWS as qualifiers.

Anthony Pond (Anthony Brook Reservoir) (Class A, PWS) — Review of MassGIS drinking water intake locations revealed that Anthony Pond is not the location of the PWS intake; instead, it is located at an unnamed reservoir downstream of Anthony Pond. The description was modified accordingly. This does not change the original classification of Anthony Pond as a PWS ORW; however, the change does add the section of Anthony Brook between Anthony Pond and the unnamed reservoir as a PWS ORW.

Cold Water — Seventeen cold water streams were added and classified; all cold water streams were alphabetized.

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Revision of Figures and Tables 1 through 27 (cont.)

ADDENDUM: Specific Notable Changes by Basin (cont.)

TABLES 1-27: (cont.)

Table 12: HUDSON RIVER BASIN (formerly Table 1)

Thunder Brook (Class A, PWS) — A review of the Kitchen Brook Reservoir PWS by MassDEP's Drinking Water Program indicated that Thunder Brook is not tributary to the reservoir. The PWS qualifier was removed while the Class A, ORW designations were retained.

Table 13: IPSWICH RIVER BASIN (formerly Table 22)

Creeks Assigned a Classification — Three ORW surface waters with no listed class were assigned a classification, according to information provided by the MassGIS Surface Water Supply Watersheds and 2005 land use layers.

Table 15: MERRIMACK RIVER BASIN (formerly Table 20)

Little Pine Island Creek (Class SA, B, ORW) — This creek was listed in the incorrect basin (Parker River Basin) and was moved to the correct basin (Merrimack River Basin). Little Pine Island Creek is a tributary to the portion of Plum Island River that is north of the High Sandy sand bar which forms the southern boundary of the Merrimack River Basin.

Spicket River (Class B, Warm Water) — After consultation with the regional CSO representatives, a new CSO-qualified segment was added to the Spicket River while carrying over the original classification and qualifier.

Powwow River (Class B, Warm Water; Class SB, Shellfishing; Class A, PWS) — Powwow River was listed twice in the table. The separate PWS listing was deleted and combined with the other two segments of the river.

Cold Water — Two cold water streams were added and classified.

Table 16: MILLERS RIVER BASIN (formerly Table 7)

Lake Ellis (Ellis Pond) (Class A, PWS) — The Drinking Water Program determined that MassDEP formally approved abandonment of this PWS through the permitting process in 2002. The PWS qualifier was removed, while retaining the Class A, ORW designation.

Lyons Brook (Cold Water) — Lyons Brook was a designated cold water brook with no class assigned. MassGIS was used to determine if the surface water was within a PWS. Because it was not within a PWS, it was designated a Class B.

Cold Water — Nineteen cold water streams were added and classified; all cold water streams were alphabetized.

Table 17: NARRAGANSETT BAY/MOUNT HOPE BAY DRAINAGE AREA (formerly Table 13)

Palmer River, inclusive of Shad Factory Pond (Class B, Cold Water) — The Shad Factory Pond was removed from the designation of Cold Water. No sampling has been conducted in the Pond to substantiate this designation, and generally, when lacking data, ponds and lakes are not classified as cold water.

Table 18: NASHUA RIVER BASIN (formerly Table 17)

Shattuck Reservoir (Class A, PWS) — MassDEP, based on consultation with its Drinking Water Program, determined that this reservoir was never built and was never a water supply; therefore, the reservoir was deleted from the table.

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Revision of Figures and Tables 1 through 27 (cont.)

ADDENDUM: Specific Notable Changes by Basin (cont.)

TABLES 1-27: (cont.)

Table 18: NASHUA RIVER BASIN (cont.)

Phillips Brook (Class B, Warm Water, CSO) — MassDEP's regional CSO representative determined that the CSO has been removed, and therefore, the qualifier was deleted.

Cold Water Streams and Other Rivers and Streams Assigned a Classification — Six Cold Water streams and eighteen unclassified grouped surface waters were assigned a classification. MassGIS was used to determine if the surface waters were within a PWS; if so, they were designated a Class A surface water with ORW and PWS as qualifiers. If they were not within a PWS, they were designated Class B.

Cold Water — Eight cold water streams were added and classified, all cold water streams were alphabetized.

Table 19: NORTH COASTAL DRAINAGE AREA (formerly Table 23)

Essex River (Class SA, Shellfishing, ORW) — Language was added to clarify that only the coastal and marine portions of the Essex River and its tributaries are classified as SA with Shellfishing and ORW qualifiers, and that Essex means the Town of Essex, not the Parker River/Essex Bay Area of Critical Environmental Concern (ACEC) (now the Great Marsh ACEC).

Saugus River (Class B, Treated Water Supply) — The entire first boundary segment of the Saugus River, "Source to canal which discharges into Hawkes Pond", was determined through MassGIS and by field observation to be a direct tributary to the diversion canal to Hawkes Pond (Class A, PWS, ORW). In addition, that segment of the Saugus River and Lake Quannapowitt that feeds its headwaters is designated with Zone A drinking water supply protections by MassDEP's Drinking Water Program. Therefore, in consultation with MassDEP's Drinking Water Program, WPP has re-classified the first segment of the Saugus River as a Class A, PWS, ORW surface water.

Change in ACEC Name — All descriptions and footnotes were updated to reflect that the name of the Parker River/Essex Bay ACEC was changed to the Great Marsh ACEC.

Rockport Harbor, Beverly Harbor, and Salem Harbor (Class SB, Shellfishing) — Added boundary descriptions for these three harbor surface waters.

Klondike Reservoir (Quarry Reservoir) (Class A, PWS) — This public water supply reservoir was missing language designating its tributaries as Class A, PWS; therefore, "and those tributaries thereto" was added to complete its boundary description.

Table 20: PARKER RIVER BASIN (formerly Table 21)

Bull Brook Reservoir and Dow Brook Reservoir (Class A, PWS) — These reservoirs were relocated to the PWS section of this table with no change in classification.

Little Pine Island Creek (Class SA, B, ORW) — Moved to the correct basin. Deleted from the Parker River Basin and added to the Merrimack River Basin because Little Pine Island Creek is a tributary to the portion of Plum Island River that is north of the High Sandy sand bar.

Surface Waters Assigned a Classification — Surface waters missing a classification were ungrouped and each was assigned a classification, according to information provided by the MassGIS Surface Water Supply Watersheds and 2005 land use layers.

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Revision of Figures and Tables 1 through 27 (cont.)

ADDENDUM: Specific Notable Changes by Basin (cont.)

TABLES 1-27: (cont.)

Table 20: PARKER RIVER BASIN (cont.)

Ox Pasture Brook (ORW) — This brook was missing its classification. It was assigned a classification according to information provided by the MassGIS Surface Water Supply Watersheds and 2005 land use layers.

Table 21: QUINEBAUG RIVER BASIN (formerly Table 9)

Tufts Branch (Cold Water) — This stream had no listed classification. It was assigned a classification according to information provided by the MassGIS Surface Water Supply Watersheds layer.

Table 23: SOUTH COASTAL DRAINAGE AREA (formerly Table 24)

Surface Waters Assigned a Classification — Surface waters missing a classification were ungrouped and each was assigned a classification according to information provided by the MassGIS Surface Water Supply Watersheds and 2005 land use layers.

Mounce Pond (ORW) — This pond with no listed classification was designated a Class SA, B surface water according to information provided by the MassGIS Surface Water Supply Watersheds

Cold Water — One cold water stream was added and classified.

Table 24: SUDBURY, ASSABET AND CONCORD (SuAsCo) RIVER BASIN (formerly Table 18)

Surface Waters Assigned a Classification — One ORW and one Cold Water stream with no listed classification were assigned a class according to information provided by the MassGIS Surface Water Supply Watersheds and 2005 land use layers.

Jackstraw Brook (B, ORW) and (Cold Water) — Duplicate listing. Listed as a Class B, ORW (entire length) and as a Cold Water stream (source to Upton Road). Consolidated into one listing with two segments and improved descriptions.

Gates Pond (Gates Pond Reservoir) — This surface water is a PWS but the boundary description did not include tributaries. The boundary description was corrected to include “those tributaries thereto”.

Cold Water — Two cold water streams were added and classified.

Table 27: WESTFIELD RIVER BASIN (formerly Table 4)

Cold Water Streams Assigned a Classification — Cold Water streams with no listed class were assigned a class, according to information provided by the MassGIS Surface Water Supply Watersheds and 2005 land use layers.

Westfield River East Branch (Cold Water) — This surface water was incorrectly named. This segment (source to the Middle Branch Westfield) is actually the first segment of the Westfield River. The “Westfield River East Branch” is a locally-known name and is not listed in the USGS Bureau of Geologic Names. The Westfield River East Branch listing was deleted and combined with the first segment of the Westfield River that was already a Cold Water segment.



Revision of Figures and Tables 1 through 27 (cont.)

ADDENDUM: Specific Notable Changes by Basin (cont.)

TABLES 1-27: (cont.)

Table 27: WESTFIELD RIVER BASIN (cont.)

Cold Brook Reservoir (Class A, PWS) — MassDEP's Drinking Water Program approved the permit to abandon the PWS in February, 2008. The PWS qualifier was removed while the Class A, ORW designations were retained.

Austin Brook Reservoir (Class A, PWS) — Deleted because it is a duplicate listing. This reservoir is the same as the "Unnamed Reservoir (Austin Brook Reservoir)".

Littleville Lake (Littleville Reservoir) (Class A, PWS) — Deleted because it is a duplicate listing. This lake is included in the second segment of the Middle Branch Westfield River.

Cold Water — Twenty-seven cold water streams were added to the table, and all cold water streams were alphabetized.